digital™ MATERIAL SAFETY DATA SHEET

DISK DRIVE HEAD CLEANING KIT **A-SP-ELMD010-AA-0 Rev A.**

SECTION 1 - PREPARATION/PRODUCT INFORMATION

Manufacturer's Name: Digital Equipment Corporation Maynard, MA USA

Non-Emergency Phone Number: (508) 496-9242

Emergency Phone Numbers: 800-228-5635 ext.123
[+1] 612-221-3999 ext.123

Preparation Date: March 4, 1992

Supersedes: April 2, 1990

Product Name: Disk Drive Head Cleaning Kit

Part Number(s): 22-00007

Use: Disk Drive Cleaner

SECTION 2 - INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL	CARCINOGEN LIST IARC	CARCINOGEN LIST NTP	CARCINOGEN LIST OSHA	SARA 313
Isopropyl Alcohol	67-63-0	100	400 ppm	400 ppm	NO	NO	NO	NO

OTHER INGREDIENTS

None

The chemicals contained in this product are on the US TSCA inventory.

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - 83°C (181°F)
Vapor Pressure - 33 mmHg @ 20°C (68°F)
Vapor Density - 2.1 (air=1)
Appearance - Clear
Freezing Point - -89°C (-128°F)
Melting/Softening Point - Not available
Solubility in Water - Miscible
Percent Volatile - 100
Evaporation Rate - 2.83 (butyl acetate=1)
Odor and Odor Threshold - Slight (50 ppm)
pH - Not available
Specific Gravity - 0.78 (water=1)

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flash Point - 12°C (53.6°F) closed cup
Auto-Ignition Temperature - 456°C (852°F)
Unusual Fire or Explosion Hazards - None
Hazardous Combustion Products - Carbon monoxide, carbon dioxide
Special Fire Fighting Procedure - None
Flammable Limits - Lower: 2%
Extinguishing Media - Dry chemical, alcohol foam, carbon dioxide

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SECTION 5 - REACTIVITY DATA

Stability - Stable
Incompatibility - Strong oxidizers
Conditions to Avoid - Heat, flame, fire
Hazardous Decomposition Products - Not available
Hazardous Polymerization - None

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans- Exposure by inhalation and skin possible. Overexposure may cause irritation to the throat, nose and eyes. Narcosis at very high levels is possible.
Animal Experiment-
Acute- Oral LD50- >5 g/kg (practically non-toxic); Dermal LD50- >20 g/kg;
(practically non-toxic); Inhalation LC50- >20 mg/l (practically non-toxic).
May cause eye injury which may persist for several days.
Chronic/Other- Data show that there are no reproductive effects. Information on mutagenicity not available. IARC concluded that evidence on carcinogenic potential is inadequate.
Additional Information- The ACGIH TLV for hazardous ingredients was established for eye, nose and throat irritation.

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

If Inhaled - Remove to fresh air. Support breathing if necessary and contact a physician.
If on Skin - Not applicable
If in Eyes - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.
If Swallowed- Seek immediate medical attention.

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - None
Engineer Control - None
Waste Disposal - No special requirements.
Procedures for Leaks or Spills- Use cloth or paper towel to absorb material; use water spray to reduce vapors; remove all ignition sources.
Work Practices - None
Storage Requirement- Keep container closed and in cool, ventilated area.
Handling Procedure/Equipment- Keep container closed and in cool, ventilated area away from flame.
Labelling- Flammable; irritant;
WHMIS Classification- Class B Division 2 - Flammable Liquid

SECTION 9 - TRANSPORTATION REQUIREMENTS

Proper Shipping Name- Isopropanol (U.S. DOT, IATA/ICAO, IMO)
Hazard Class- Flammable liquid (U.S. DOT), 3 (IATA/ICAO), 3.2 (IMO)
Identification Number- UN 1219 (U.S. DOT, IATA/ICAO, IMO)
RQ- Not applicable (U.S. DOT)
Packing Group- II (IATA/ICAO, IMO)

MSDS SATISFIES OSHA AND WHMIS REQUIREMENTS